

REMARKS/ARGUMENTS

The Office Action mailed January 10, 2006 has been received and the Examiner's comments carefully reviewed. Claim 1 has been amended to recite features similar to those found in allowable claims 14 and 26. Claim 8 has been cancelled without prejudice or disclaimer. Claim 9 has been amended to incorporate the features of allowable claim 14 and also of claim 12, which is a dependent claim that claim 14 depends from. Accordingly, claims 12 and 14 have been cancelled. Claim 13 has been amended to now depend from claim 9 instead of claim 12. Claim 18 has been amended to incorporate the features of allowable claim 26 and claim 26 has accordingly been cancelled. Claim 23 has been cancelled without prejudice or disclaimer. New independent claim 32 and new dependent claims 33-39 that depend from new independent claim 32 have been added. No new matter has been added. Applicants respectfully request reconsideration of the present application.

Support in the Specification for New Claims

New claim 32 is supported by, for example, Figs. 21-22 of the application and the related description in paragraphs [00137], [00138], and [00139] on page 35 and in paragraph [00141] on page 36 of the current specification.

New claim 33 is supported by, for example, Fig. 22 of the application and the related description in paragraph [00138] on page 35 of the current specification.

New claims 34 and 35 are supported by, for example, Figs. 21-22 of the application and the related description in paragraphs [00139] and [00140] on page 35 and paragraphs [00142] and [00143] on page 36 of the current specification.

New claims 36 and 37 are supported by, for example, Fig. 22 of the application and the related description in paragraph [00140] on page 35 and in paragraph [00141] on page 36 of the current specification.

New claims 38 and 39 are supported by, for example, Figs. 12, 21, and 22 of the application and the related description in paragraph [00147] on page 38 of the current specification.

Drawings

In the Office Action, the drawings have been objected to under 37 CFR 1.83(a). It is stated in the Office Action that the signal compensators and the digital signal processor must be shown or the features canceled from the claims.

The Applicant would like to respectfully point out that "signal compensators" are shown in Fig. 12 of the Application. As discussed in paragraphs [00147] and [00149] on page 38 of the Application, the jack assembly 100-6 of Fig. 12 includes the circuit board 1210 having a number of compensation mechanisms 1220, and, as discussed further, the compensation mechanisms 1220 can be configured to generate the signal compensators for each pair of the jacks 135. As discussed in paragraph [00147], the compensation mechanisms 1220 can include conductive elements shaped and positioned to generate specific signal compensators.

Regarding "digital signal processor", the Applicant would like to point out that claims 8 and 23, which recited the term "digital signal processor," have been cancelled without prejudice or disclaimer. The Applicant is not, however, acquiescing in the correctness of the objection.

Thus, in view of the above, withdrawal of the objection to the Drawings is respectfully requested.

Claim Rejections - 35 USC § 102 and 103

In the Office Action, claims 1-6, 9-13, 15-21, and 24 have been rejected under 35 U.S.C. 102(b) as being anticipated by German et al. (U.S. Patent 6,186,474).

Claims 7 and 22 have been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Guilbert (U.S. Patent 5,350,324).

Claims 8 and 23 have been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Cioffi (U.S. Patent 5,887,032).

Claim 25 has been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Kunz et al. (U.S. Patent 5,971,813).

Claims 27 and 29 have been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Fair et al. (U.S. Patent 6,419,526).

Claim 28 has been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Follingstad (U.S. Patent 6,537,106).

Claim 30 has been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Belopolsky et al. (U.S. Patent 6,036,547).

Claim 31 has been rejected under 35 U.S.C. 103(a) as being unpatentable over German in view of Morgan et al. (U.S. Patent 5,129,842).

All of the above rejections will be addressed together in the following Remarks:

As mentioned above, claim 1 has been amended to recite features similar to those found in allowable claims 14 and 26. As amended, claim 1 is believed to be patentable over the German et al. and the other art of record for at least the same reasons specified in the Office Action for claims 14 and 26. Claims 2-7 depend from and further distinguish independent claim 1 and are patentable for at least the same reason specified with respect to claim 1.

Regarding claim 9, as mentioned above, claim 9 has been amended to incorporate the features of allowable claim 14 and also of claim 12, which is a dependent claim that claim 14 depends from. Thus, claim 9 and dependent claims 10-13 and 15-17 are believed to be patentable over German et al. and the other art of record for at least the same reasons specified in the Office Action.

Regarding claim 18, as mentioned above, claim 18 has been amended to incorporate the features of allowable claim 26. Thus, claim 18 and dependent claims 19-22, 24, 25, and 27-31 are believed to be patentable over German et al. and the other art of record for at least the same reasons specified in the Office Action.

Thus, in view of the above, withdrawal of the above rejections is respectfully requested.

Double Patenting

The Office Action states that claim 1-31 of the present application conflict with claims 1-31 of Application No. 11/058,902. Claims 1-31 of the present application have been provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claims 1-31 of copending Application No. 11/058,902.

The Applicant would like to respectfully defer the present double patenting rejection until further time. The Applicant is planning on amending the claims of copending Application No.

11/058,902 such that the claims of the present application and the claims of Application No. 11/058,902 will not be claiming the same invention.

Thus, deferral of the statutory type double patenting rejection is respectfully requested.

Patentability of New Claims

Regarding new independent claim 32, none of the prior art of record discloses or suggests a method of determining the amount of alien crosstalk on a jack comprising all of the steps recited in claim 32. Specifically, none of the prior art of record discloses or suggests a method of determining the amount of alien crosstalk on a jack comprising the steps of providing a victim jack including a first victim conductive pair, providing a disturber jack adjacent to the victim jack, the disturber jack including a first disturber conductive pair and a second disturber conductive pair, providing a network analyzer including a transmitter coupled to the first and second disturber conductive pairs and a receiver coupled to the first victim conductive pair, transmitting a test signal to the first disturber conductive pair through the network analyzer and measuring the alien crosstalk induced on the first victim conductive pair by the first disturber conductive pair and transmitting a test signal to the second disturber conductive pair through the network analyzer and measuring the alien crosstalk induced on the first victim conductive pair by the second disturber conductive pair and aggregating the measurements to determine a sum alien crosstalk on the first victim conductive pair.

For at least the reason stated above, new independent claim 32 and new dependent claims 33-39, which depend from claim 32, are believed to be patentable.

Serial No. 10/783,853

Group Art Unit: 2646

The Applicant respectfully requests that a timely Notice of Allowance be issued in this case. If the Examiner believes a telephone conference would advance the prosecution of this application, the Examiner is invited to telephone the undersigned at 612-332-5300.

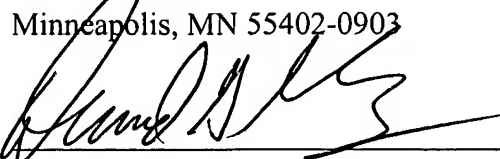
Respectfully submitted,

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